What is claimed:

1.	A method for inducing hemostasis in a subject, comprising administering
to said subject	an inducer of P-selectin activity, such that hemostasis occurs.

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- 2. The method of claim 1, wherein the inducer of P-selectin activity increases the level of soluble P-selectin polypeptide in the plasma of the subject.
- 3. The method of claim 2, wherein the inducer of P-selectin activity increases the proteolytic cleavage of P-selectin from a cell surface.
  - 4. The method of claim 2, wherein the inducer of P-selectin activity increases P-selectin gene expression.
- 15 5. The method of claim 1, wherein the inducer of P-selectin activity binds to a P-selectin receptor or ligand and mimics the activity of a P-selectin polypeptide.
  - 6. The method of claim 5, wherein the inducer of P-selectin activity is an antibody to a P-selectin receptor or ligand.

- 7. The method of claim 5, wherein the P-selectin ligand is PSGL-1.
- 8. The method of claim 6, wherein the antibody is an antibody to PSGL-1.
- 9. A method for inducing hemostasis in a subject, comprising administering to said subject a soluble P-selectin polypeptide, such that hemostasis occurs.
- 10. A method for inducing hemostasis in a subject, comprising administering to said subject an isolated nucleic acid molecule comprising a nucleotide sequence
  30 which encodes a soluble P-selectin polypeptide, such that hemostasis occurs.

- 11. A method for inducing hemostasis in a subject, comprising administering to said subject a recombinant cell expressing soluble P-selectin polypeptide, such that hemostasis occurs.
- 12. A method for treating or preventing a disorder associated with hypocoagulation in a subject, comprising administering to said subject an inducer of P-selectin activity, such that the disorder associated with hypocoagulation is treated or prevented.
- 10 13. The method of claim 12, wherein said disorder is a hemorrhagic disorder.
  - 14. The method of claim 12, wherein said disorder is hemophilia.
- 15. The method of claim 12, wherein the inducer of P-selectin activity increases the level of soluble P-selectin polypeptide in the plasma of the subject.
  - 16. A method for treating or preventing a disorder associated with hypocoagulation in a subject, comprising administering to said subject a soluble P-selectin polypeptide.

- 17. A method for treating a vasculature-associated disease in a subject, comprising administering to said subject an inducer of P-selectin activity, such that the vasculature-associated disease is treated.
- The method of claim 17, wherein said vasculature-associated disease is a tumor.
  - 19. The method of claim 18, wherein said subject is further treated with a molecule effective to induce a procoagulant state in tumor associated vasculature.

20. The method of claim 19, wherein said molecule comprises a first binding region that binds to a component of a tumor cell or tumor associated vasculature, operatively linked to a coagulation factor or a second binding region that binds to a coagulation factor.

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21. The method of claim 20, wherein said first binding region comprises an antibody, or an antigen binding fragment thereof, that binds to VCAM-1, operatively linked to tissue factor.

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22. The method of claim 17, wherein the inducer of P-selectin activity increases the level of soluble P-selectin polypeptide in the plasma of the subject.

23. A method for treating a vasculature-associated disease in a subject, comprising administering to said subject a soluble P-selectin polypeptide.

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24. A method for reducing hemostasis in a subject, comprising administering to said subject an inhibitor of P-selectin activity, such that procoagulant activity is reduced.

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25. The method of claim 24, wherein the inhibitor of P-selectin activity decreases the level of soluble P-selectin polypeptide in the plasma of the subject.

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decreases the proteolytic cleavage of P-selectin from the cell surface.

The method of claim 25, wherein the inhibitor of P-selectin activity

27. The method of claim 26, wherein the inhibitor of P-selectin activity decreases P-selectin gene expression.

- 28. The method of claim 24, wherein the inhibitor of P-selectin activity is an 30 anti-P-selectin antibody.
  - 29: The method of claim 24, wherein the inhibitor of P-selectin activity is recombinant soluble PSGL-1.

- 30. A method for reducing hemostasis in a subject, comprising administering to said subject an isolated nucleic acid molecule comprising a nucleotide sequence which is antisense to a nucleotide sequence which encodes a P-selectin polypeptide, such that hemostasis is reduced.
- 31. A method for treating or preventing a thrombotic disorder in a subject, comprising administering to said subject an inhibitor of P-selectin activity, such that the thrombotic disorder is treated or prevented.

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- 32. The method of claim 31, wherein said disorder is arteriosclerosis.
- 33. The method of claim 31, wherein said disorder is deep vein thrombosis.
- 15 34. The method of claim 31, wherein said disorder is angina.
  - 35. The method of claim 31, wherein said thrombotic disorder is restenosis following medical intervention.
- 20 36. The method of claim 31, wherein the inhibitor of P-selectin activity decreases the level of soluble P-selectin polypeptide in the plasma of the subject.
  - 37. A method for modulating hemostatic potential in a subject, comprising modulating P-selectin activity in said subject.

- 38. The method of claim 37, wherein said modulating step comprises administering to the subject a modulator of P-selectin activity.
- 39. The method of claim 38, wherein the modulator regulates the level of soluble P-selectin in the plasma of said subject.
  - 40. The method of claim 38, wherein the modulator is an inhibitor of P-selectin activity.

- 41. The method of claim 38, wherein the modulator is an inducer of P-selectin activity.
- 42. A method for diagnosing a procoagulant state in a subject, comprising determining a P-selectin activity in a biological sample of the subject, wherein an increased P-selectin activity in the sample indicates a procoagulant state in the subject.
- 43. The method of claim 42, which comprises providing a test sample of blood from a subject and comparing the level of soluble P-selectin in the test sample to the level of soluble P-selectin in a control blood sample from a subject with normal hemostatic activity, wherein an increased level of soluble P-selectin in the test sample as compared to the control sample is an indication of a procoagulant state in the subject.
- 44. A method of identifying a subject having a thrombotic disorder, or at risk for developing a thrombotic disorder, comprising determining a P-selectin activity in a biological sample of the subject, wherein an increased P-selectin activity in the sample identifies a subject having a thrombotic disorder, or at risk for developing a thrombotic disorder.

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- 45. The method of claim 44 comprising:
- a) contacting a sample of blood obtained from said subject with a P-selectin binding substance; and
- b) detecting the presence of increased levels of soluble P-selectin in said sample, thereby identifying a subject having a thrombotic disorder, or at risk for developing a thrombotic disorder.
  - 46. A method for identifying a compound capable of modulating hemostasis, comprising assaying the ability of the compound to modulate a P-selectin activity, thereby identifying a compound capable of modulating hemostasis.
  - 47. The method of claim 46, wherein the P-selectin activity is the expression of soluble P-selectin.

- 48. A pharmaceutical composition for modulating hemostasis comprising a compound identified according to the method of claim 46.
- 5 49. A pharmaceutical composition for modulating hemostasis containing at least one compound which is a modulator of P-selectin activity.